

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (original): A capacitor dielectric comprising a material formed from a two-component plasma reaction in a substantially air-evacuated plasma chamber, a first component of the two-component plasma reaction comprising a non-carbon containing and non-oxygenated silicon donor, and a second component of the two-component plasma reaction comprising a non-silicon containing and non-oxygenated organic precursor.
2. (original): The capacitor dielectric of claim 1 wherein the second component of the two-component plasma reaction is selected from the group consisting of alkanes, alkenes, alkynes, phenyls and aromatic hydrocarbons.
3. (original): The capacitor dielectric of claim 1 wherein the second component of the two-component plasma reaction is selected from the group consisting of ethylene, methane, ethane and toluene.
4. (original): The capacitor dielectric of claim 1 wherein the first component of the two-component plasma reaction is selected from the group consisting of monosilane, disilane and dichlorsilane.
5. (original): The capacitor dielectric of claim 4 wherein the second component of the two-component plasma reaction is selected from the group consisting of ethylene, methane, ethane and toluene.
6. (original): The capacitor dielectric of claim 1 wherein the capacitor dielectric is photo-oxidized by exposure to a radiated electromagnetic energy in the presence of oxygen to alter the dielectric constant of the capacitor dielectric subsequent to the formation of the capacitor dielectric.
7. (original): A capacitor comprising:
 - a first conductor;
 - a dielectric formed on the first conductor from a two-component plasma reaction in a substantially air-evacuated plasma chamber, a first component of the two-component plasma reaction comprising a non-carbon containing and non-oxygenated silicon donor, and a second component of the two-component plasma reaction comprising a non-silicon containing and non-oxygenated organic precursor; and
 - a second conductor formed on the dielectric.
8. (original): The capacitor of claim 7 wherein the second component of the two-component plasma reaction is selected from the group consisting of alkanes, alkenes, alkynes, phenyls and aromatic hydrocarbons.
9. (original): The capacitor of claim 7 wherein the second component of the two-component plasma reaction is selected from the group consisting of ethylene,

methane, ethane and toluene.

10. (currently amended): The capacitor of claim 7 wherein the first component of the two-component plasma reaction is selected from the group consisting of monosilane, disilane and dichlorsilane.

11. (original): The capacitor of claim 10 wherein the second component of the two-component plasma reaction is selected from the group consisting of ethylene, methane, ethane and toluene.

12. (original): The capacitor of claim 7 wherein the dielectric is photo-oxidized by exposure to a radiated electromagnetic energy in the presence of oxygen to alter the dielectric constant of the dielectric subsequent to the formation of the dielectric.

13. (original): The capacitor of claim 7 wherein the dielectric is photo-oxidized by exposure to a radiated electromagnetic energy in the presence of oxygen to alter the dielectric constant of the dielectric when the capacitor is in an electrically active circuit.

14. (original): An electrical filter comprising:

a one or more capacitors, an at least one of the one or more capacitors comprising:
a first conductor;
a dielectric formed on the first conductor from a two-component plasma reaction in a substantially air-evacuated plasma chamber, a first component of the two-component plasma reaction comprising a non-carbon containing and non-oxygenated silicon donor, and a second component of the two-component plasma reaction comprising a non-silicon containing and non-oxygenated organic precursor; and
a second conductor formed on the dielectric; and
a one or more inductors electrically connected to the one or more capacitors to form an electrical filter.

15. (original): The electrical filter of claim 14 wherein an at least one of the one or more inductors comprises an on-chip spiral inductor.

16. (canceled)

17. (canceled)

18. (canceled)

19. (currently amended) The ~~capacitor~~ electrical filter of claim ~~16~~ 14 wherein the second component of the two-component plasma reaction is selected from the group consisting of ethylene, methane, ethane and toluene.

20. (currently amended) The ~~capacitor~~ electrical filter of claim ~~16~~ 14 wherein the first component of the two-component plasma reaction is selected from the group consisting of monosilane disilane and dichlorsilane.

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21. (new): An electrical filter comprising:
a one or more capacitors, an at least one of the one or more capacitors comprising:
a first conductor;
a dielectric formed on the first conductor from a two-component plasma reaction in a substantially air-evacuated plasma chamber, a first component of the two-component plasma reaction comprising a non-carbon containing and non-oxygenated silicon donor, and a second component of the two-component plasma reaction comprising a non-silicon containing and non-oxygenated organic precursor, the dielectric photo-oxidized by exposure to a radiated electromagnetic energy in the presence of oxygen to alter the dielectric constant of the dielectric subsequent to the formation of the dielectric; and
a second conductor formed on the dielectric; and
a one or more inductors electrically connected to the one or more capacitors to form an electrical filter.
22. (new): The electrical filter of claim 21 wherein the first component of the two-component plasma reaction is selected from the group consisting of monosilane, disilane and dichlorsilane.
23. (new): The electrical filter of claim 22 wherein the second component of the two-component plasma reaction is selected from the group consisting of ethylene, methane, ethane and toluene.